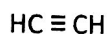


Answer

Alkynes – Naming and Drawing

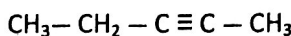
1. Name each alkyne.

a.



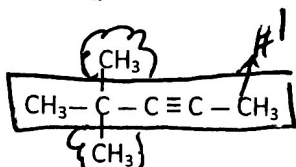
ethyne

b.



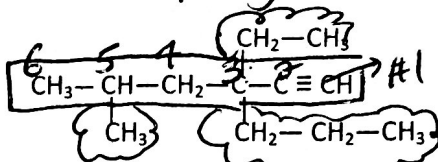
2-pentyne or pent-2-yne

c.



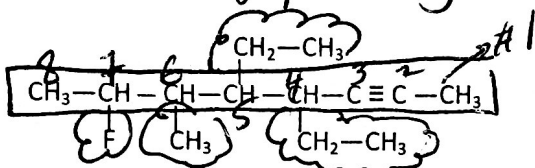
4,4-dimethylpent-2-yne

d.



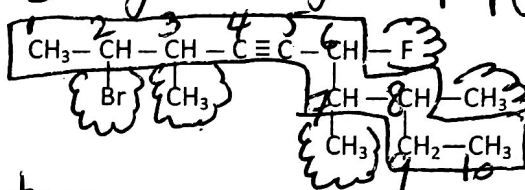
3-ethyl-5-methyl-3-propyl-1-hexyne

e.



4,5-diethyl-7-fluoro-6-methyl-2-octyne

f.

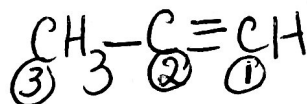


2-bromo-6-fluoro-3,7,8-trimethyl-4-decyne

2. Draw a condensed structural diagram for each compound.

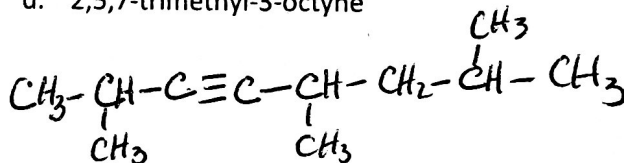
a. ~~1~~-propyne

Wrong name

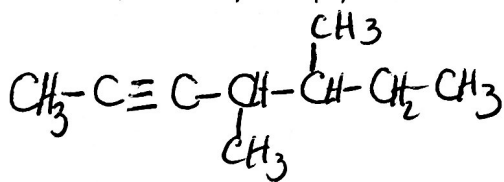


should be 1-propyne

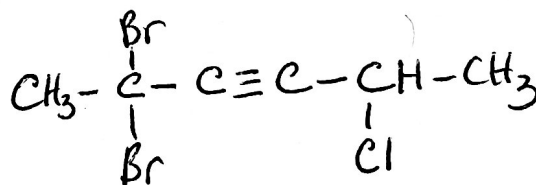
d. 2,5,7-trimethyl-3-octyne



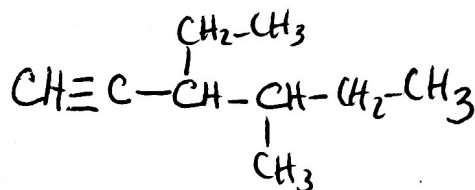
b. 4,5-dimethyl-2-heptyne



e. 2,2-dibromo-5-chloro-3-hexyne



c. 3-ethyl-4-methyl-1-hexyne



f. 3-chloro-3,4-dimethyl-1-heptyne

